

PRODUCT DATASHEET

VALUE CLASS A 40 FR 4.9 W/2700 K E27

LED VALUE CLASSIC A | LED lamps, classic bulb shape



VALUE
CLASS

Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Can be easily fitted instead of ordinary light bulbs

Product features

- LED alternative to conventional lamps
- Not dimmable
- Good color rendering CRI ≥ 80 and color stability throughout the life of the lamp



TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	42 mA
Type of current	AC
Inrush current	5.84 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	200
Max. lamp number on MCB B16 A	320
Total harmonic distortion	136.84 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

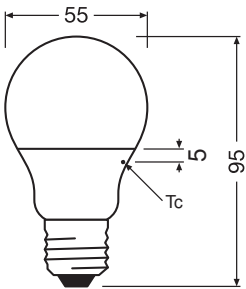


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Light technical data

Beam angle	200 °
Warm-up time (60 %)	0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	95.00 mm
Diameter	55.00 mm
Maximum diameter	55 mm
Product weight	24.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	75 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Frosted
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value

Capabilities

Dimmable	No
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Certificates & Standards

Energy efficiency class	F ¹⁾
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG0

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

ILCOS	DRAA/F-5,5/827-220-240-E27-60
Order reference	VALUE CLA404,9W

LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	E27

Connected light source (CLS)	No
Color-tuneable light source	No
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.00 W
Networked standby power for CLS	0.00 W
Claim of equivalent power	Yes
Length	95.00 mm
Height	55.00 mm
Width	55.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	>0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1403217,523303,1381360,1857048,1855185,2567476
Model number	AC31145,AC44909,AC24701,AC56429,AC55977,AC55977,AC94432

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	LED Lamp
	Declarations of conformity UKCA	LED Lamp

Photometric and lighting design files		Document name
	IES file (IES)	AC08344_CLA40 5,5W 230VFR E27
	LDT file (Eulumdat)	AC08344_CLA40 5,5W 230VFR E27
	UGR file (UGR table)	LED CLA40 5W 827 230VFR E27 BLI1 STARL
	Light distribution curve type cone	VALUE CLA40 5W 827 230VFR E27 FS1 OSRAM
	Light distribution curve type cone	LED CLA40 5W 827 230VFR E27 BLI1 STARL
	Light distribution curve type cone	LED CLA40 5W 827 230VFR E27 FS2 REAL
	Light distribution curve type polar	LED CLA40 5W 827 230VFR E27 FS2 REAL
	Light distribution curve type polar	VALUE CLA40 5W 827 230VFR E27 FS1 OSRAM
	Light distribution curve type polar	LED CLA40 5W 827 230VFR E27 BLI1 STARL
	Spectral power distribution	349927_2700K_Evl_5630.eps

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899326927	Folding box 1	55 mm x 55 mm x 102 mm	37.00 g	0.31 dm ³
4058075803893	Bundle 2			
4058075019102	Bundle 3			
4058075803909	Shipping box 20	316 mm x 252 mm x 125 mm	1362.00 g	9.95 dm ³
4058075019119	Shipping box 30	372 mm x 315 mm x 125 mm	1948.00 g	14.65 dm ³
4052899326934	Shipping box 10	290 mm x 122 mm x 116 mm	450.00 g	4.10 dm ³
4052899326941	Shipping box 60			

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.